

**MULTI-GIMBAL MARINE COMMUNICATION CABLE
TO OCEAN BUOY TRANSITION INTERFACE**

ABSTRACT

A multi-gimbal configured transition protectively interfaces a mooring and communication cable to a communication ocean buoy. The transition interface contains a segmented, flexible sheath formed of a plurality of pivotally interconnected gimbal rings having mutually adjacent interior apertures through which one or more communication link members pass. Successive gimbal rings are orthogonally pivotally interconnected with one another so as to make the flexible sheath flexible in three dimensions. Upper ends of one or more communication link members are connectable with a communication cable connection fixture of the buoy. Lower ends of the communication link members are connectable to communication cable terminal connectors of a terminal end of the mooring cable.